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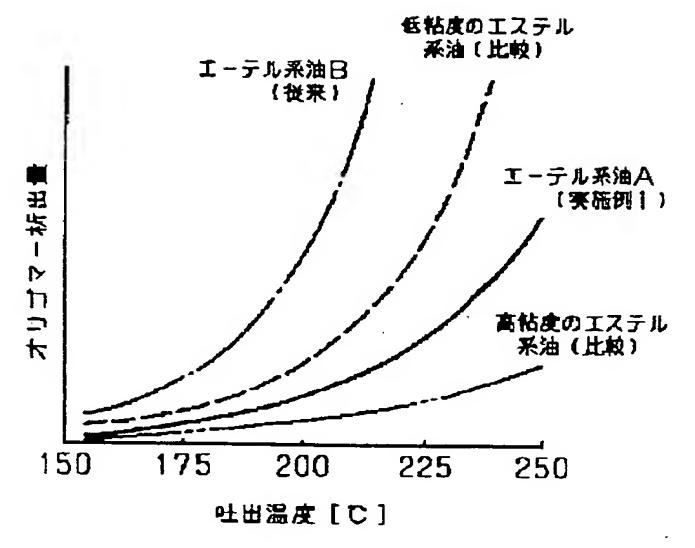
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TITLE

REFRIGERATOR OIL



ABSTRACT: PROBLEM TO BE SOLVED: To obtain a refrigerator oil, capable of maintaining the durability of a compressor without depositing an oligomer or a carboxylic acid metallic salt, etc., dissolved in a refrigerator oil ever when a nonester-based low-viscosity refrigerator oil is applied to a reciprocating hermetically closed type electric compressor in order to raise the efficiency and prevent hydrolysis.

> SOLUTION: A refrigerator oil, consisting essentially of a nonester-based synthetic oil having ≤20mm²/sec kinematic viscosity at 40°C and containing ≥20wt.% component having 1400°C boiling point compounded therewith can be used to thereby maintain the durability of a compressor without depositing an oligomer or a carboxylic acid metallic salt, etc., near a discharging chamber or a discharging valve due to no complete evaporation of the component having ≥400°C boiling point in the refrigerator oil in the discharging chamber and due to the discharge together with the refrigerant while dissolving the oligomer or carboxylic acid metallic salt therein. A carbonate-based synthetic oil or an ether-based synthetic oil is preferred as the nonester-based synthetic oil.

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